

REMARKS

Claims 24-33 are now pending, with Claim 24 being the sole independent claim.

Claims 1-23 have been cancelled without prejudice to or disclaimer of the subject matter recited therein.

Claims 24-33 have been added. Support for the percent sequence identity values and the pairwise alignment default parameters of Claims 24 and 25 is found in the specification at least in the paragraph at page 8, lines 6-26. Support for part (b) of Claim 24 is found in the specification at least in original claim 1, and the term "full-length" is present in Claim 24 (b) for clarity. Support for Claims 26 and 27 is found in the specification at least in original claim 2. Support for Claim 28 is found in the specification at least in the paragraph at page 14, lines 25-35. Support for Claim 29 is found in the specification at least in original claim 5 and in the paragraph at page 12, lines 24-27. Support for Claim 30 is found in the specification at least in the paragraph at page 14, lines 18-24, and in the paragraph at page 15, lines 8-16. Support for Claim 31 is found in the specification at least in Example 6, pages 25-26. Support for Claims 32-33 is found in the specification at least in Examples 4-5, pages 22-25.

No new matter has been added.

RESPONSE TO RESTRICTION REQUIREMENT

Applicants hereby elect, without traverse, Group I, Claims(s) 1-9, 11-13, 16-18, and 22, drawn to a polynucleotide and first method of using the polynucleotide, and Invention B, SEQ ID NO:3 or a sequence encoding SEQ ID NO:4.

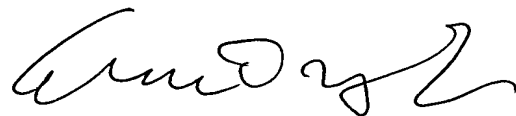
Applicants believe new claims 24-33 to be directed to Group I, Invention B.

The 509 amino acid sequence of SEQ ID NO:4 is a direct translation of nucleotides 173-1699 of SEQ ID NO:3. The nucleotide sequence of SEQ ID NO:3 that encodes SEQ ID NO:4 is immediately followed by an in-frame stop codon at nucleotides 1700-1702.

Please charge any fees or credit any overpayment of fees which are required in connection herewith to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Allowance of the above-referenced application is respectfully requested.

Respectfully submitted,



EMIL M. OROZCO, JR.
AGENT FOR APPLICANTS
REGISTRATION NO. 50,823
TELEPHONE: 302-695-3121
FACSIMILE: 302-892-1026

Dated: _____

May 18, 2007